

[0072] SYSTEM AND METHODS FOR NETWORK IMAGE
DELIVERY WITH DYNAMIC VIEWING FRUSTUM OPTIMIZED
FOR LIMITED BANDWIDTH COMMUNICATION CHANNELS

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[0074] Abstract of the Invention

[0075] Dynamic visualization of image data provided through a network communications channel is performed by a client system including a parcel request subsystem and a parcel rendering subsystem. The parcel request subsystem includes a parcel request queue and is operative to request discrete image data parcels in a priority order and to store received image data parcels in a parcel data store. The parcel request subsystem is responsive to an image parcel request of assigned priority to place the image parcel request in the parcel request queue ordered in correspondence with the assigned priority. The parcel rendering subsystem is coupled to the parcel data store to selectively retrieve and render received image data parcels to a display memory. The parcel rendering system provides the parcel request subsystem with the image parcel request of the assigned priority.